



Strategic Plan



2026 - 2031



Nandha Engineering College
(Autonomous)
Erode - 638 052 Tamil Nadu

CONTENTS

S.No.	Nomenclature	Page No.
1	Our Inspiration	1
2	Our Journey	2
3	Chairman Message	3
4	Joint Management Trustees Message	4
5	Principal Message	5
6	Vision, Mission and Quality Policy	6
7	SWOC Analysis	7
8	Strategic Plan	9
9	Looking Ahead	18
10	NEC at a Glance	19
Annexure - Micro Level Strategic Plan		

OUR INSPIRATION



Sri Nandha Educational Trust was established in 1992 under the visionary leadership of Thiru. V. Shanmugan, B.Com., a renowned industrialist, educationist, and philanthropist. The Trust was founded with the mission of providing quality higher education, particularly to students from rural and economically challenged backgrounds. Guided by the principles of excellence, integrity, and innovation, the Trust has established several premier educational institutions over the years.

Founded in 2001, Nandha Engineering College has grown from offering three undergraduate programmes to becoming one of the leading engineering institutions in Tamil Nadu. For over 25 years, the institution has been committed to academic excellence, research, innovation, and holistic student development. Under the dynamic leadership of Chairman Thiru. V. Shanmugan and Joint Management Trustees Thiru. S. Nandhakumar Pradeep and Thiru. S. Thirumoorthy, the college continues to strengthen its reputation through quality education, industry collaboration, and modern infrastructure.

The institution offers a vibrant learning environment supported by highly qualified faculty, state-of-the-art laboratories, research centres, and excellent placement opportunities. Nandha Engineering College is accredited by NAAC and NBA, recognized by UGC, and has earned several prestigious recognitions for academic and institutional excellence. The college continues to nurture competent engineers, ethical leaders, and responsible citizens who contribute meaningfully to society and the nation's development.

OUR JOURNEY

S. No.	Dept.	Programmes	Year of Starting
1	CSE	B.E - Computer Science and Engineering (Permanent Affiliation)	2001
2	ECE	B.E - Electronics and Communication Engineering (Permanent Affiliation)	2001
3	IT	B.Tech - Information Technology (Permanent Affiliation)	2001
4	EEE	B.E - Electrical and Electronics Engineering (Permanent Affiliation)	2002
5	Mechanical	B.E - Mechanical Engineering (Permanent Affiliation)	2005
6	Civil	B.E - Civil Engineering	2009
7	Agri	B.Tech - Agricultural Engineering	2017
8	Chemical	B.Tech - Chemical Engineering	2017
9	BME	B.E - Biomedical Engineering	2018
10	AI&DS	B.Tech - Artificial Intelligence and Data Science	2021
11	CSE (CS)	B.E - Computer Science and Engineering (Cyber Security)	2022
12	CSE (IoT)	B.E - Computer Science and Engineering (Internet of Things)	2022
13	MBA	Master of Business Administration (Permanent Affiliation)	2005
14	MCA	Master of Computer Applications	2006
15	CSE	M.E - Computer Science and Engineering	2006

CHAIRMAN MESSAGE



I am immensely pleased to know that Nandha Engineering College has emerged as a distinguished institution, serving as an alma mater for countless young minds and inspiring future generations. Since its inception, the college has remained committed to imparting quality education that empowers individuals and contributes meaningfully to the progress of society. At Nandha Engineering College, we believe that every great achievement begins with an idea, nurtured by hope, confidence, and knowledge.

The institution is dedicated to adopting innovative teaching methodologies and learner-centric educational practices that promote academic excellence, critical thinking, creativity, and lifelong learning. We strive to create an environment that encourages independent thinking, holistic personality development, and leadership qualities, enabling our students to become responsible citizens who contribute positively to society and the nation. Nandha Engineering College takes keen interest in updating its infrastructures which provides an ambience that stimulate intellectual thinking and academic interaction to meet the technological revolution and new challenges of modern era. I extend my heartfelt wishes to all students to make the best use of the opportunities provided by the institution, pursue excellence in every endeavour, and uphold the values of integrity, innovation, and service. May your journey at Nandha Engineering College be a stepping-stone toward a successful and fulfilling career.

JOINT MANAGEMENT TRUSTEES MESSAGE

In today's competitive world, success comes through the right vision, timely effort, and continuous learning. At Nandha, we are committed to providing quality education through an integrated learning approach that combines academic excellence with personality development, soft skills, and co-curricular activities. I am confident that your pursuit of knowledge and success will find the right path at Nandha, and I warmly welcome you to be a part of our institution. In today's competitive world, success comes through the right vision, timely effort, and continuous learning.



Foresight, innovation, and a relentless pursuit of excellence have been the driving forces behind Nandha's remarkable journey. By aligning academic knowledge with industry requirements, Nandha has consistently remained at the forefront of quality education and sustainable growth. At Nandha, we provide a vibrant learning environment that nurtures young minds, enhances professional competence, and develops leadership, creativity, and ethical values. We remain committed to imparting quality education that empowers students to excel with integrity and confidence in a dynamic global environment.



PRINCIPAL MESSAGE



Nandha Engineering College (Autonomous) is a premier institution dedicated to nurturing young minds through quality education, innovation, and value-based learning. Set in a serene and eco-friendly campus, the college provides an ideal environment for Intellectual growth, research, Creativity, and holistic personality development.

Our strength lies in our state-of-the-art infrastructure, highly qualified and experienced faculty, modern laboratories, industry collaborations, and student-centric teaching practices. Through outcome-based education, skill development programs, internships, research initiatives, and continuous interaction with industry, we prepare students to meet the evolving demands of the global workforce.

At NEC, learning extends beyond classrooms. We encourage students to participate in technical events, entrepreneurship activities, professional societies, sports, cultural programs, community service, and leadership initiatives that foster confidence, teamwork, innovation, and social responsibility. Our commitment is to develop graduates who are technically competent, ethically responsible, and globally competitive. “Learning today, leading tomorrow through knowledge, innovation, and unwavering commitment”, NEC will shape you for a successful and rewarding career.

VISION & MISSION

VISION

To be an Institute of excellence providing quality Engineering, Technology and Management education to meet the ever changing needs of the society.

MISSION

- To provide quality education to produce ethical and competent professionals with social Responsibility.
- To excel in the thrust areas of Engineering, Technology and Entrepreneurship by solving real- world problems.
- To create a learner centric environment and improve continually to meet the changing global needs.

QUALITY POLICY



At Nandha Engineering College, we are committed to working as a dedicated team to empower students through quality education, ethical values, personality development, and career-oriented learning. We continuously strive to nurture competent, confident, and socially responsible professionals who are well equipped to meet global challenges and contribute meaningfully to society.

SWOC ANALYSIS

STRENGTH

Nandha Engineering College (Autonomous) is committed to academic excellence through qualified faculty, modern infrastructure, and well-equipped laboratories. The institution follows Outcome-Based Education (OBE) supported by NAAC and NBA accreditation and IQAC initiatives. Strong industry collaborations, internships, and expert interactions enhance practical learning and employability. Research, innovation, patents, and entrepreneurship are actively encouraged through incubation support. Excellent placement training, mentoring, and skill development programs prepare students for successful careers. A green and sustainable campus further enriches the overall learning environment.

WEAKNESS

The institution has opportunities to strengthen international collaborations through faculty and student exchange programs. Increasing research funding, interdisciplinary projects, and faculty with doctoral qualifications remains a priority. Greater focus is needed on patent commercialization, consultancy, and industry-sponsored laboratories. Participation in global rankings and international accreditation can further improve institutional visibility. Student participation in competitive examinations such as GATE, GRE, and UPSC requires additional encouragement. Strengthening the start-up ecosystem and revenue generation through innovation and consultancy will further support institutional growth.

OPPORTUNITIES

The implementation of NEP 2020 offers opportunities for multidisciplinary education and flexible learning. Collaborations with international universities can enhance global exposure through joint research and exchange programs. Online learning platforms such as NPTEL and SWAYAM provide avenues for continuous skill development. The growing demand for professionals in AI, Data Science, IoT, Robotics, Cyber Security, and Electric Vehicles creates excellent career opportunities. Funding from agencies like AICTE, DST, DRDO, ISRO, and MSME can strengthen research and innovation.

CHALLENGES

Rapid technological advancements require continuous curriculum revision to meet industry expectations. Increasing competition among higher educational institutions demands constant improvement in teaching quality and employability. Regular upgrades to laboratories, digital infrastructure, and learning resources are essential. Attracting and retaining highly qualified faculty while improving research output and innovation remains challenging. Meeting evolving accreditation standards and regulatory requirements requires continuous quality enhancement. Maintaining academic excellence, institutional growth, and graduate employability in a competitive global environment demands effective planning and governance.

STRATEGIC PLAN

IQAC, Ranking

**Professional Enrichment
Activities, SDGs and
Higher Education**

**Academic Affairs
(Core & Computing)**

**Innovations &
Incubations**

R&D and CFIR

**Industrial
Collaborations &
Alumni Affairs**

**Planning and
Development**

**Curriculum
Development**

Placement

**Student Welfare &
Outreach**

STRATEGIC PLAN AND IMPLEMENTATION STRATEGIES

1. Industrial Collaborations & Alumni Affairs

S.No	Goal	Target	Strategy to be followed
1	Internship / Industrial Training for Students	900	Develop an annual internship calendar, identify industry partners, ensure internship mapping to programme outcomes, monitor through faculty mentors and ERP, and conduct outcome assessment.
2	Steps Taken for Enhancing Industry Institute Partnerships Industry involvement in the partial delivery of any regular courses for students	56	Identify strategic industry partners, establish Department Industry Advisory Boards, organize quarterly interactions, and implement annual collaborative action plans.
3	Industry offered courses / training - Credit Courses / VAC	36+12	Engage Industry experts to deliver practice-oriented modules, case studies, design challenges, laboratory demonstrations, and project reviews in regular courses.
4	Industry - Supported Laboratories	14	Introduce emerging technology courses jointly designed and delivered with industry leading to certification and skill enhancement.
5	Visiting / Adjunct Faculty / Professor of Practice	14	Establish Centres of Excellence/Industry Labs through equipment support, software licenses, sponsored projects, and technical mentoring.
6	Faculty Internship / Training / Collaboration with Industry	115	Appoint experienced professionals from industry to teach, mentor projects, support curriculum revision, and guide innovation activities.
7	Consultancy Work	150 L	Create consultancy teams, identify industry problems, develop solution proposals, establish consultancy policy, and promote technology transfer.
8	MoU	25	MoUs with defined deliverables, review mechanisms, and annual renewal based on performance.

9	MoU Activities	50	Conduct internships, industrial projects, joint research, workshops, FDPs, guest lectures, laboratory support, product development, and student competitions under each MoU.
10	Industrial / Local / Field Visit	100	Prepare an academic calendar for industrial visits aligned with course outcomes and emerging technologies, followed by structured reporting and reflection.
11	Alumni Activity / Interaction	42	Strengthen alumni participation in mentoring, placement training, internships, entrepreneurship support, curriculum feedback, research collaboration, and funding initiatives.

2. Research and Development

S.No	Goal	Target	Strategy to be followed
1	Student Publications-Journal paper published	38	Encourage UG/PG students to publish research outcomes with faculty mentors in Scopus/Web of Science indexed journals through project-based research.
2	Student Publications-Conference paper published	330+45	Motivate students to present research papers in national and international conferences through project exhibitions, symposiums, and funded travel support.
3	Publications that received awards	15	Identify conferences and journals reputed offering Best Paper Awards, provide mentoring for quality manuscripts, and recognize award-winning publications.
4	Faculty publications	376	Prepare annual publication plans, promote collaborative and interdisciplinary research, and encourage publication in high-impact journals.
5	Quality of publications		Prioritize Q1/Q2 journals high-impact publishers, citation improvement, collaborative publications, and ethical research practices.
6	All Ph.D holders to get AU supervisor Approval	57	Support eligible Ph.D. faculty in obtaining Anna University Research Supervisor recognition by ensuring compliance with publication and eligibility norms.

7	Ph.D. Student enrolment	28+56	Encourage faculty to admit full-time and part-time research scholars through funded projects, industry collaborations, and awareness programmes.
8	Ph.D. Graduated	5	Monitor research progress through periodic reviews, publication tracking, and timely thesis submission support.
9	Sponsored Research Project (20 Lakh/Dept)	375 Lakh	Identify funding agencies, conduct proposal-writing workshops, develop multidisciplinary proposals, and establish proposal review committees.
10	Sponsored events with grants	15 Lakh	Organize conferences FDPs, workshops, seminars, and symposiums by securing grants from AICTE, DST, DRDO, CSIR, MSME, IE(I), ISTE, etc.
11	Institution Seed Money or Internal Research Grant to its Faculty for Research Work	28 Lakh	Allocate institutional seed funding for innovative research, prototype development, patents, and pilot studies with periodic outcome evaluation.

3. Innovation and Incubation

S.No	Goal	Target	Strategy to be followed
1	Solving Complex Engineering Problems Incorporating Sustainability Goals	50	Promote multidisciplinary Projects addressing SDGs through design thinking, AI, IoT, Industry 5.0, renewable energy, circular economy, and sustainable engineering practices.
2	Faculty Support in Student Innovative Projects (Events like Hackathon, Codeathon, etc)	126	Constitute faculty-mentoring teams, organize internal hackathons, conduct idea validation sessions, prototype development, and provide funding support for national competitions.
3	Patent Granted	70	Identify patentable research, conduct patentability searches, provide IPR support, and monitor patent prosecution until grant.

4	Patent Published	340	Conduct IPR awareness programmes, facilitate patent drafting, filing, and review through institutional IPR Cell.
5	Working Model and Prototypes	98	Encourage prototype development under final-year projects, funded projects, and innovation grants with periodic demonstrations and exhibitions.
6	Startup and Entrepreneurship Activities - No of Awareness Programs/Incubation Activities	14	Conduct EDPs, startup boot camps, ideation workshops, incubation programmes, investor interactions, and mentoring with Startup TN, MSME, EDII, and incubators.
7	FDP/ STTP/ Industry guest lecturers etc., planned (organizing) (FDP (30 hrs) on IPR/Innovation/ Entrepreneur)	3	Organize FDPs, STTPs, workshops, expert lectures, and certification programmes on Innovation, Design Thinking, IPR, Startup Ecosystem, and Entrepreneurship.
8	Active MoU (Collaborative MoU with CiPD (IIC theme))	3	Establish outcome-based collaborations with incubation centres, innovation hubs, industries, startups, and research organizations supporting IIC activities.
9	Value Added Courses	3	Offer industry-certified courses on Design Thinking, Innovation Management, Startup Development, IPR, AI, Digital Manufacturing, and Emerging technologies.
10	Faculty to become certified Innovation Ambassador (IA) Basic / Advanced level	34	Nominate faculty for Innovation Ambassador (Basic & Advanced) certification through MoE Innovation Cell and encourage continuous skill development.
11	Activeness of IA to promote innovation (guide and mentor students / Innovators to shape their innovative ideas)	6	Innovation Ambassadors to mentor innovators, conduct innovation clinics, idea validation sessions, IPR awareness programmes, startup mentoring, and innovation competitions.

12	Technology Transfer/ Product Commercialization	14	Identify commercializable technologies, engage industry partners, establish licensing agreements, and support startup-based commercialization.
13	Developing Projects to provide solutions to the pressing problems	50	Promote challenge-based projects addressing industry, agriculture, healthcare, environment, energy, and smart manufacturing through multidisciplinary teams.
14	IIC Activities (must be in alignment with dept. association activities).	70	Integrate IIC calendar with departmental association activities, innovation clubs, technical societies, and annual events.
15	Establishing Startups/ entrepreneurial venture with CIN, DPIIT Certificate	3	Mentor student and faculty startups from ideation to company registration, DPIIT recognition, incubation, and business development.
16	Startups received seed funding from government organization	3	Facilitate proposal submission to StartupTN, DST, MSME, AICTE, BIRAC, NIDHI PRAYAS, and other funding agencies through incubation support.
17	Alumni founder of Forbes/Fortune 500 companies	3	Build an alumni entrepreneurship network, recognize successful founders, facilitate mentoring, investments, internships, and institutional collaborations.

4. Higher Education & Professional Enrichment Activities

S.No	Goal	Target	Strategy to be followed
1	Evidence of Addressing Sustainable Development Goals (SDG)	14	Integrate SDGs into curriculum, student projects, research, outreach programmes, green campus initiatives, innovation activities, and annual departmental events. Document measurable outcomes aligned with the UN SDGs.
2	Availability and Activities organized through professional societies/Chapters /Technical Clubs	28	Establish and strengthen professional society chapters and technical clubs. Prepare an annual activity calendar including expert lectures, workshops, competitions, technical quizzes, industrial interactions, and certification programmes.

3	Student's Participations (other institutions) in Professional Events- National/ International level	1505	Encourage and financially support students to participate in conferences, technical competitions, hackathons, design contests, workshops, and symposiums conducted by other institutions.
4	Student's awards/prizes (other institutions) in professional events	430	Identify talented students, provide mentoring, conduct internal screening and mock competitions, and support participation in prestigious national and international events.
5	Memberships in Professional Societies (Recognized) at National / International Levels - Faculty	249	Encourage faculty to obtain and renew memberships in recognized national and international professional bodies and actively participate in technical committees and review activities.
6	Membership Activities in Professional Societies at National/International Levels	46	Motivate faculty to organize society-sponsored events, deliver invited talks, serve as reviewers, session chairs, office bearers, and committee members in professional organizations.
7	Initiatives taken towards, social internships Outreach Activities	10	Promote community engagement through social internships, village adoption, environmental initiatives, health awareness, digital literacy, school outreach, and technology transfer programmes aligned with institutional social responsibility. Organize community-based projects addressing local challenges through engineering solutions, NSS, NCC, YRC, UBA, and SDG initiatives with measurable societal impact.
8	Society connect activities undertaken by the students with achievements		

9	No of students admitted to Higher studies	15	Provide guidance for higher education, conduct GRE/GATE/CAT/TOEFL/IELTS coaching, organize interactions with alumni and universities, and support admission processes.
10	Number of students to get valid score in GATE examination	5	

5. Entrepreneurship and Development

S.No	Goal	Target	Strategy to be followed
1	Placement, Higher Studies and Entrepreneurship - No of students taking up for entrepreneurship	14	Identify students with entrepreneurial potential, establish an innovation and incubation ecosystem, provide mentoring by entrepreneurs and alumni, facilitate prototype development, connect students with funding agencies, and support startup registration.
2	Start-up and Entrepreneurship Activities - No of awareness programs Related to entrepreneurship	4	Organize awareness programmes, entrepreneurship development programmes (EDPs), startup boot camps, ideation workshops, innovation challenges, hackathons, interactions with successful entrepreneurs, and sessions on government startup schemes.

6. Placement and Training Cell

S.No	Goal	Target	Strategy to be followed
1	Placement, Higher Studies and Entrepreneurship - No of Students Placed	900	Develop a structured placement ecosystem through industry mapping, company-specific training, aptitude and coding practice, mock interviews, alumni mentoring, internships, and continuous employer engagement. Strengthen core, IT, and emerging sector placements.
2	Average Salary	5 Lakh/ Dept	Focus on high-value recruiters, advanced technical skill development, industry certifications, internships, soft skills, and pre-placement training to improve salary outcomes.

3	Median Salary	4.5 Lakh/ Dept	Ensure equitable placement opportunities by improving employability of all students through personalized mentoring, bridge courses, aptitude enhancement, and interview readiness programmes.
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7. Internal Quality Assurance Cell

S.No	Goal	Target	Strategy to be followed
1	Student Faculty Ratio	268	Maintain the prescribed student-faculty ratio through timely recruitment of qualified faculty, optimum workload distribution, and periodic manpower planning based on student intake and programme requirements.
2	Publication of newsletter and magazine Quality and relevance of the content Student involvement	15+30	Publish departmental and institutional newsletters/magazines periodically featuring academic achievements, research, industry collaborations, innovation, alumni contributions, placements, outreach activities, and student accomplishments. Establish an editorial committee for quality review and digital dissemination.

8. Academic Affairs

S.No	Goal	Target	Strategy to be followed
1	Pedagogical initiatives	2/Dept.	Adopt active, experiential, project-based, and problem-based learning across all programs.

LOOKING AHEAD

The Strategic Plan (2026–2031) serves as a roadmap for achieving the institution's vision, mission, and long-term objectives. It provides clear direction to the management, faculty, and staff while acting as a framework for monitoring institutional performance and promoting continuous improvement. Periodic reviews and systematic self-assessment at various levels will help evaluate progress, identify gaps, and implement appropriate corrective measures. Successful implementation of the strategic plan requires the collective commitment, active participation, effective governance, and continuous support of all stakeholders. Through sustained efforts and regular monitoring, the institution aims to accomplish its strategic goals and strengthen its position as a centre of excellence in higher education.



NEC AT A GLANCE



4000+
Students



34%
Female



66%
Male



250+
Faculty Members



100+
Non-teaching Staff



14000+
Alumni



PROGRAMMES OFFERED

Bachelor



12

Master



3



PhD in All Departments



No. of PhD
Scholars
118



No. of PhD Holders
76



COMMITTED TO
**ACADEMIC
EXCELLENCE**



DRIVEN BY
INNOVATION



STRONG
**INDUSTRY
COLLABORATION**



FOCUSED ON
**A SUSTAINABLE
FUTURE**

ACCREDITATIONS AND RANKINGS



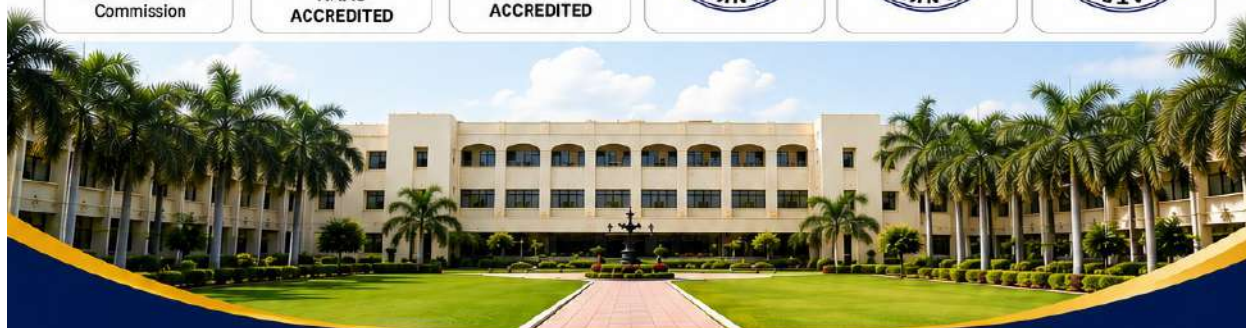
ज्ञान-विमान विद्युत्
UGC
University Grants
Commission



NAAC
ACCREDITED



ACCREDITED



Quality
Education



Innovation



Industry
Collaboration



Sustainability



Excellence



NANDHA ENGINEERING COLLEGE, ERODE - 638 052
(Autonomous)



NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Internal Quality Assurance Cell

Dr.E.K.Mohanraj, Dean (IQAC)

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
1	4.1	Enrolment Ratio in the First Year	20	✓	6	100%	1080
		Students Enrolled (UG+PG)			6	100% II, III, IV Year (1020+1020+900)	2940
		Women Students (NWS)			3	50% of Total Students (1080+1020+1020+900)	2010
2	5.1	Student Faculty Ratio	30	✓	9	01:15	268
3	4.7.3	Publication of News letter and Magazine Quality and relevance of the content (3) Student involvement (2)	5			Magazine 2/Dept. News letter 1/Dept. 1/Institute	Magazine 30 News letter Dept: 15 Institute: 1
4	8.2	Academic Audit and Actions Taken thereof during the Period of Assessment	15				
5	9.2	Mentoring System Implementation (2) Effectiveness (3)	5	✓			
6	9.3.1	Feedback on Teaching and Learning Process and Corrective Measures Taken, if any - Academic Facilities	5				
7	9.6.1	Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring	10	✓			
8	9.13	Faculty Performance Appraisal and Development System (FPADS)	10	✓			
9	9.9	Quality of Learning Resources (Hard/Soft) - Library	5	✓			



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Higher Education & Professional Enrichment Activities

Dr.M.Dhipa, Head (HE&PEA)

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
1	3.6	Evidence of Addressing Sustainable Development Goals (SDG)	10	✓	—	1/Dept	14
2	4.7.1	Availability and Activities organized through professional societies / Chapters / Technical Clubs (2)	5	—	—	2/Dept	28
		Quality Engineering events organized by national/International level (3)		✓	—	2/Dept	28
3	4.7.2	Student's Participations (other institutions) in Professional Events State Level (3)	10	✓	—	70% of students II & III Year (1100+1050)	1505
		Student's Participations (other institutions) in Professional Events - National/International Level (3)				20% of students II & III Year (1100+1050)	430
		Student's Awards / Prizes (other institutions) in professional events (4)				10% of Participation	195
4	6.1.1	Memberships in Professional Societies (Recognized) at National/International Levels - Faculty	5	—	—	1/Faculty	249
		Membership Activities in Professional Societies at National / International Levels				2/Society	46
5	9.14	Initiatives taken towards, social internships Outreach Activities (2)	5	—	—	10 - Institute level	10
		Society connect activities undertaken by the students with achievements (3)					
6	4.6	No. of students admitted to Higher Studies	5	✓	8	15 - Institute level	15
		Number of students to get valid score in GATE examination				5 - Institute level	5



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Academic Affairs

Dr.E.K.Mohanraj & Dr.K.Lalitha

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
1	2.1	Describe Processes Followed to Ensure Quality of Teaching & Learning A.Adherence to Academic Calendar (02) C. Support students based on their ability (04) D.Quality of classroom teaching (04) E. Conduct of experiments (05)	15	✓			
		B. Pedagogical initiatives (05)	5			2/Dept.	30
2	2.2	Quality of Student Capstone Project A. Identification of capstone/major project and allocation of guides (05) B. Types and relevance of the capstone/ major project and their contribution towards the attainment of POs and PSOs (06) C. Continuous monitoring process (04) D. Quality of completed projects/ working models/ prototypes in relation to environment, sustainability, safety, ethics and cost (10)	25				
3	2.4	Seminar and Mini/Micro Projects A.Mapping of seminars presented by the students with Pos and PSOs(5) B. Mapping of the mini/micro project and their contribution with POs and PSOs (05)	10	✓			
4	2.5	Case Studies and Real-Life Examples mapping with Pos and PSOs	10				
5	2.6	SWAYAM/NPTEL/MOOC/Self Learning A. Number of students obtained MOOCs certification through platforms like SWAYAM/NPTEL, etc and their mapping with POs and PSOs (07) B. Scope for self-learning & facilities and its use (03)	10	✓			
6	3.1	Evaluation of Continuous Assessment: Assignments, Unit Tests, Mid-Term, etc. A. Process for setting and evaluation of internal semester question paper (02) B. Quality of questions, appropriateness of mapping with the COs (03) C. Assessment of COs coverage in unit tests/class tests/mid-term tests/ assignments (03) D. Sharing of post evaluation feedback with students for performance improvement (02)	10	✓			
7	3.2	Evaluation of the Semester End Exam (SEE) Question Paper	10	✓			CoE
8	3.3	Evaluation of Laboratory Work and Workshop (Continuous and SEE)	10				
9	3.4	Evaluation of Industrial Training/ Internship (Continuous and SEE)	10	✓			
10	3.5	Evaluation of Projects	20				

11	3.7.1	Describe the Assessment Tools and Processes Used to Gather the Data for the Evaluation of Course Outcome	5	✓			
12	3.7.2	Record the Attainment of Course Outcomes of all Courses with Respect to Set Attainment Levels	20				
13	3.8	Attainment of Program Outcomes and Program Specific Outcomes	25				
14	4.2	Success Rate of the Students in the Stipulated Period of the Program	15	✓	3		
15	4.3	Academic Performance of the First-Year Students of the Program	10				
16	4.4	Academic Performance of the Second Year Students of the Program	10				
17	4.5	Academic Performance of the Third Year Students of the Program	10				
18	6.1.2	Faculty as Resource Persons or Participants in STTPs/FDPs	10	✓			
19	6.1.3	Faculty Contribution in Development of SWAYAM MOOCs and other E-Content	5				
20	6.1.4	Faculty Certification of MOOCs through SWAYAM, etc.	10				
21	6.1.5	FDP/STTP Organized by the Department	10				HoDs
22	8.1	Actions Taken Based on the Results of Evaluation of the COs, POs, and PSOs	40				
23	8.4	Actions Taken Based on the Results of Evaluation of the POs/PSOs Attainment	20				
24	9.3.2	Feedback on academic facilities	5	✓			
25	9.12	Innovative Educational Initiatives and Implementation	5	✓			



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Innovation and Incubation

Dr.M.Easwaramoorthi, Dean (I&I)

S.No.	NBA			NAAC	NIRF	IIC	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks	Parameters		
1	2.7	Solving Complex Engineering Problems Incorporating Sustainability Goals	20				2/Vertical	50
2	6.1.6	Faculty Support in Student Innovative Projects (Events like Hackathon, Codeathon, etc)	10	✓			50% Faculty as Mentor	126
3	6.2.3	Patent Granted (4)	10	✓	3		20% of Published Patent	70
		Patent Published (3)			1.5		10/Intake II & III year	340
		Working Model and Prototypes (3)					2 / Intake II, III & IV year	98
4	9.5	Startup and Entrepreneurship Activities - No of Awareness Programs / Incubation Activities	5		3		1/Dept.	14
5		FDP/ STTP/ Industry guest lectures etc., planned (organizing) (FDP (30 hrs) on IPR/Innovation/ Entrepreneur)			2		1/Cluster	3
6		Active MoU (Colloborative MoU with CiPD (IIC theme))				✓	1/Cluster	3
7		Value Added Courses				✓	1/Cluster	3
8		Faculty to become certified Innovation Ambassador (IA) Basic Level / Advanced Level				✓	2/Dept.	30
		IA - Upskilling / Reskilling				✓	2/Cluster	6
		Activeness of IA to promote innovation (guide and mentor students/Innovators to shape their innovative ideas)				✓	3/IA	147
9		Technology Transfer/ Product Commercialization			3		1/Dept.	14

S.No.	NBA			NAAC	NIRF	IIC	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks	Parameters		
10		Developing Projects to provide solutions to the pressing problems	Smart India Hackathon (SIH)		3		3/Intake	50
			KAPILA (IIC)		2		20% of Published Patent	70
			Innovation Day (TRL: 4 to 9)				6/Intake	310
			YUKTI (IIC) (share innovations & technologies)				25 % of Final Year & PBL projects	250
11		IIC Activities (must be in alignment with dept. association activities).	IIC driven activities				2/Dept	34
			Self driven activities related to innovation/IPR/startup				8/Dept (14 x 8)	112
			Celebrations of National important days				Min 1/Dept.	16
12		Establishing Startups/enterpreural venture with CIN, DPIIT Certificate	Student		5		2/Dept.	24
			Faculty				1/Cluster	3
			Others (Outside)					2
		Startups received seed funding from government organization			7.5		1/Cluster	3
		Alumni founder of Forbes/Fortune 500 companies			3		1/Cluster	3



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios



Planning and Development

Dr.C.Siva, Dean (P&D)

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
60	7.1	Adequate and Well-Equipped Laboratories, and Technical Manpower Adequate and well equipped laboratories (15) Quality of Instruments (05) Utilization (10) Availability of technical Staff (10)	40	✓			
61	7.2	Additional Facilities Created for Improving the Quality of Learning Experience in Laboratories Availability and relevance of additional facilities (10) Utilization and effectiveness of facilities (05) Relevance to Pos and PSOs (05)	20	✓			
62	7.3	Maintenance of Laboratories and Overall Ambiance	10				
63	7.4	Safety Measures in Laboratories	10				
64	7.5	Project Laboratory / Research Laboratory / Centre of Excellence	20	✓		1/Dept.	14
76	9.6.3	Transparency	5				
77	9.7	Budget Allocation, Utilization, and Public Accounting at Institute Level	12	✓	9		
78	9.8	Program Specific Budget Allocation, Utilization	8	✓			
80	9.10	E-Governance (ERP)	5	✓			
81	9.11	Initiatives and Implementation of Sustainable Development Goals	10	✓			



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios



Industrial Collaborations & Alumni Affairs

Dr. S. Kavitha, Dean (IC&AA)

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
1	2.3	Internship / Industrial Training for Students	10	✓		All Final Year	900
2	2.8 2.8 A	Steps Taken for Enhancing Industry Institute Partnerships <i>Industry involvement in the partial delivery of any regular courses for students (05)</i>	15			1 Course in III / IV / V / VI Sem (14 x 4 courses)	56
	2.8 B	Industry offered courses / training - Credit Courses / VAC (04)				1 Course in III / IV / V / VI Sem (12 x 3 Courses) (12 x 1 Course)	36
	2.8 C	Industry - Supported Laboratories (03)				1/Dept.	12
3	5.4	Visiting / Adjunct Faculty / Professor of Practice	10	✓		1/Dept. (50 Hrs/Year)	14
4	6.1.7	Faculty Internship / Training / Collaboration with Industry	10			50 % of faculty members	115
5	6.2.5	Consultancy Work	15	✓	3	7 Lakh/Dept. (13 x 7 L) + Civil	150 L
6		MoU				Min 1 / Vertical	25
7		MoU Activities				2 / Vertical	50
8		Industrial / Local / Field Visit				Min 1 FV & 1 IV III / IV / V / VI Sem	100
9		Alumni Activity / Interaction				3 / Dept.	42
Total			60				



NANDHA ENGINEERING COLLEGE, ERODE - 638 052

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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios



Planning and Development

Dr.C.Siva, Dean (P&D)

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
60	7.1	Adequate and Well-Equipped Laboratories, and Technical Manpower Adequate and well equipped laboratories (15) Quality of Instruments (05) Utilization (10) Availability of technical Staff (10)	40	✓			
61	7.2	Additional Facilities Created for Improving the Quality of Learning Experience in Laboratories Availability and relevance of additional facilities (10) Utilization and effectiveness of facilities (05) Relevance to Pos and PSOs (05)	20	✓			
62	7.3	Maintenance of Laboratories and Overall Ambiance	10				
63	7.4	Safety Measures in Laboratories	10				
64	7.5	Project Laboratory / Research Laboratory / Centre of Excellence	20	✓		1/Dept.	14
76	9.6.3	Transparency	5				
77	9.7	Budget Allocation, Utilization, and Public Accounting at Institute Level	12	✓	9		
78	9.8	Program Specific Budget Allocation, Utilization	8	✓			
80	9.10	E-Governance (ERP)	5	✓			
81	9.11	Initiatives and Implementation of Sustainable Development Goals	10	✓			



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Curriculum and Development

Dr.P.Nithiyananatham Head/CD

S.No.	NBA			NAAC	NIRF
	Criterion	Parameters	Marks	Criterion	Marks
1	1.1.1	State the Vision,Mission of the Institute and the Department	5		
2	1.1.2	State the PEOs of the program	5		
3	1.1.3	Process of defining Vision, Mission and PEOs	10		
4	1.1.4	Dissemination of Vision, Mission and PEOs	5		
5	1.1.5	Mapping of PEOs with Mission	10		
6	1.2.1	State the process for developing/Revising the program Curriculum	10	✓	
7	1.2.2	Curriculum Structure	10	✓	
8	1.2.3	Components of Curriculum	5		
9	1.2.4	Strategies for Education Reforms	5	✓	
10	1.3.1	POs and PSOs	5	✓	
11	1.3.2	Mapping between the Courses and POs/PSOs	15		
12	1.4.1	Course Outcome (Semester Wise)	15		
13	1.4.2	Course Articulation Matrix	15		
14	1.5	Program Articulation Matrix	5		



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NBA, NAAC & NIRF Criteria wise Mapping with Portfolios

Placement and Training Cell

Dr.S.Sivaramakrishnan, Head (P&T), Mr.K.Ve.Prabhu

S.No.	NBA			NAAC	NIRF	Targets 2026-27	Targets in Nos.
	Criterion	Parameters	Marks	Criterion	Marks		
1	4.6	Placement, Higher Studies and Entrepreneurship - No of Students Placed	20	✓	8	100% Placement Willing	900
2		Average Salary				5 Lakh	5 Lakh/Dept.
3		Median Salary				4.5 Lakh	4.5 Lakh/Dept.
4	9.4	Training and Placement Support - Adequate Staff & Training Activities	10	✓		2/Intake	30

